MSFC Workforce Standard Deviation Analysis (9/30)								
			(Cas	teneda vs	. Partida,	430 U.S. 4	82, 496-4	97 n. 17 (1
PROFESS	SIONAL							
	TO	TAL	Wh	nite	Bla	ack	Hisp	anic A
	ALL	Female	Male	Female	Male	Female	Male	Female
AEROSP	ACE ENG	NEER (86	1)					
MSFC#	921	143	684	117	36	20	21	2
MSFC%	NA	15.5%	74.3%	12.7%	3.9%	2.2%	2.3%	0.2%
RCLF%	NA	8.1%	78.3%	6.4%	2.5%	0.7%	3.6%	0.3%
NEED	NA	75	721	59	23	6	33	3
Std. Dev.	NA	8.3	3.0	7.8	2.7	5.4	2.2	NA
GENERA	L ENGINE	ER (801)						
MSFC#	406	106	267	91	17	13	9	0
MSFC%	NA	26.1%	65.8%	22.4%	4.2%	3.2%	2.2%	0.0%
RCLF%	NA	9.8%	77.8%	7.9%	2.8%	0.6%	2.6%	0.4%
NEED	NA	40	316	32	11	2	11	2
Std. Dev.	NA	11.1	5.8	10.8	NA	6.8	NA	NA
COMPUTER ENGINEER (854) & COMP				UTER SCI	ENTIST (1	15500)		
MSFC#	142	61	72	51	5	10	2	0
MSFC%	NA	43.0%	50.7%	35.9%	3.5%	7.0%	1.4%	0.0%
RCLF%	NA	30.7%	59.1%	25.2%	2.9%	2.4%	1.9%	0.9%
NEED	NA	44	84	36	4	3	3	1
Std. Dev.	NA	3.2	2.0	2.9	NA	3.6	NA	NA
Legend:								
Red	Underrep	resented	by two or	more sta	ndard dev	/iations		
Green	Overrepr	esented b	y two or r	nore stan	dard devi	ations		
NA	Plus (+) (or minus (-) two sta	ndard dev	iations			
				MSFC W	orkforce :	Standard I	Deviation	Analysis
			(Cas	teneda vs. Partida, 430 U.S. 482, 496-497 n. 17				97 n. 17 (1
	TO	TAL	Wł	nite		ack		anic A
	ALL	Female	Male	Female	Male	Female	Male	Female
		NEER (85						
MSFC#	62	6	53	6	1	0	0	0
MSFC%	NA	9.7%	85.5%	9.7%	1.6%	0.0%	0.0%	0.0%
RCLF%	NA	10.0%	76.8%	7.6%	3.2%	0.9%	2.8%	0.4%
NEED	NA	6	48	5	2	1	2	0
Std. Dev.	NA	NA	NA	NA	NA	NA	NA	NA
	ELECTRONICS ENGINEER (855)							
MSFC#	103	19	77	19	2	0	1	0
MSFC%	NA	18.4%	74.8%	18.4%	1.9%	0.0%	1.0%	0.0%
RCLF%	NA	10.0%	76.8%	7.6%	3.2%	0.9%	2.8%	0.4%

NEED	NA	10	79	8	3	1	3	0
Std. Dev.	NA	2.9	NA	4.2	NA	NA	NA	NA
MATERIA	LS ENGIN	IEER (806	5)					
MSFC#	79	18	46	13	7	4	2	0
MSFC%	NA	22.8%	58.2%	16.5%	8.9%	5.1%	2.5%	0.0%
RCLF%	NA	11.5%	78.8%	9.4%	2.2%	1.3%	2.2%	0.4%
NEED	NA	9	62	7	2	1	2	0
Std. Dev.	NA	3.1	4.5	2.1	4.0	3.0	NA	NA
Legend:								
Red	Underrep	resented	by two or	more sta	ndard dev	/iations		
Green	Overrepr	esented b	y two or r	nore stan	dard devi	ations		
NA	Plus (+) (or minus (-) two sta	ndard dev	riations			
				MSFC W	orkforce :	Standard	Deviation	Analysis
			(Cas	teneda vs	. Partida,	430 U.S. 4	182, 496-4	97 n. 17 (1
	TO	TAL	Wł	nite	Bla	ack	Hisp	oanic A
	ALL	Female	Male	Female	Male	Female	Male	Female
GENERA	L PHYSIC	AL SCIEN	CE (1301)					
MSFC#	28	4	23	2	1	0	0	1
MSFC%	NA	14.3%	82.1%	7.1%	3.6%	0.0%	0.0%	3.6%
RCLF%	NA	29.0%	64.4%	25.3%	2.3%	2.3%	1.6%	0.4%
NEED	NA	8	18	7	1	1	0	0
Std. Dev.	NA	NA	NA	2.2	NA	NA	NA	2.7
ASTRONOMY AND SPACE SCIENCE (1330)								
MSFC#	36	4	30	4	1	0	0	0
MSFC%	NA	11.1%	83.3%	11.1%	2.8%	0.0%	0.0%	0.0%
RCLF%	NA	12.9%	77.9%	10.9%	1.7%	0.8%	1.9%	0.4%
NEED	NA	5	28	4	1	0	1	0
Std. Dev.	NA	NA	NA	NA	NA	NA	NA	NA
PHYSICIS	ST (1310)							
MSFC#	71	10	52	8	6	2	0	0
MSFC%	NA	14.1%	73.2%	11.3%	8.5%	2.8%	0.0%	0.0%
RCLF	NA	12.9%	77.9%	11.0%	1.7%	0.7%	1.9%	0.4%
NEED	NA	9	55	8	1	0	1	0
Std. Dev.	NA	NA	NA	NA	4.4	2.1	NA	NA
Legend:								
Red	Underrepresented by two or more standard deviations							
Green	Overrepresented by two or more standard deviations							
NA	Plus (+)	or minus (-) two sta	ndard dev	riations			
				MSFC W	orkforce	Standard	Deviation	Analysis
			(Cas	teneda vs	. Partida,	430 U.S. 4	182, 496- <mark>4</mark>	97 n. 17 (1
ADMINIS	TRATIVE							
1	TO:	T A I	١٨/١	-it-	DI	ook	Libor	onio A

White

TOTAL

Hispanic

Black

	ALL	Female	Male	Female	Male	Female	Male	Female
MSFC#	526	355	142	259	19	79	2	9
MSFC%	NA	67.5%	27.0%	49.2%	3.6%	15.0%	0.4%	1.7%
CLF %	NA	50.0%	42.1%	40.4%	3.6%	5.3%	2.6%	2.6%
NEED	NA	263	221	213	19	28	14	14
Std. Dev.	NA	8.0	7.0	4.1	NA	9.9	3.2	NA
TECHNIC								
	TO	TAL	Wh	nite	Black		Hispanic A	
	ALL	Female	Male	Female	Male	Female	Male	Female
MSFC#	92	11	67	8	10	3	2	0
MSFC%	NA	12.0%	72.8%	8.7%	10.9%	3.3%	2.2%	0.0%
CLF %	NA	55.4%	33.2%	43.9%	6.1%	10.2%	4.8%	0.6%
NEED	NA	51	31	40	6	9	4	1
Std. Dev.	NA	8.4	8.1	6.8	NA	2.2	NA	NA
CLERICAL								
		TAL	White		Bla	ack	Hisp	anic A
	ALL	Female	Male	Female	Male	Female	Male	Female
MSFC#	170	158	10	110	2	43	0	0
MSFC%	NA	92.9%	5.9%	64.7%	1.2%	25.3%	0.0%	0.0%
CLF %	NA	78.5%	15.1%	61.8%	6.0%	14.2%	0.1%	1.7%
NEED	NA	133	26	105	10	24	0	3
Std. Dev.	NA	4.6	3.4	NA	2.6	4.1	NA	NA
Legend:								
Red	Underrepresented by two or more standard deviations							
Green	Overrepresented by two or more standard deviations							
NA	Plus (+) or minus (-) two standard deviations							

	fic Islande		n Indian
Male	Female	Male	Female
32	2	5	2
3.5%	0.2%	0.5%	0.2%
7.1%	0.7%	0.3%	0.1%
65	6	3	1
4.3	NA	NA	NA
3	2	4	0
0.7%	0.5%	1.0%	0.0%
6.7%	0.8%	0.2%	0.1%
27	3	1	0
4.8	NA	3.5	NA
1	0	1	0
0.7%	0.0%	0.7%	0.0%
5.1%	2.1%	0.2%	0.1%
7	3	0	0
2.4	NA	NA	NA
977)			
sian/Paci	fic Islande	America	n Indian
Male	Female	Male	Female
2	0	0	0
3.2%	0.0%	0.0%	0.0%
6.9%	1.0%	0.2%	0.0%
4	1	0	0
NA	NA	NA	NA
3	0	1	0
2.9%	0.0%	1.0%	0.0%

6.9%

1.0%

0.2%

0.0%

/02) 977)

7	1	0	0	
NA	NA	NA	NA	
4	1	2	0	
5.1%	1.3%	2.5%	0.0%	
5.2%	0.4%	0.2%	0.0%	
4	0	0	0	
NA	NA	4.6	NA	

977)

sian/Paci	fic Islande	American Indian		
Male	Female	Male	Female	
0	0	0	1	
0.0%	0.0%	0.0%	3.6%	
2.4%	0.8%	0.2%	0.2%	
1	0	0	0	
NA	NA	NA	4.0	
1	0	0	0	
2.8%	0.0%	0.0%	0.0%	
5.2%	0.7%	0.3%	0.0%	
2	0	0	0	
NA	NA	NA	NA	
3	0	0	0	
4.2%	0.0%	0.0%	0.0%	
5.3%	0.8%	0.3%	0.0%	
4	1	0	0	
NA	NA NA		NA	

977)

sian/Pacific Islande American Indian

Male	Female	Male	Female	
1	5	7	3	
0.2%	1.0%	1.3%	0.6%	
1.4%	1.4%	0.3%	0.3%	
7	7	2	2	
2.4	NA	4.3	NA	
sian/Paci	fic Islande	America	ın Indian	
Male	Female	Male	Female	
0	0	2	0	
0.0%	0.0%	2.2%	0.0%	
0.4%	0.4%	0.1%	0.3%	
0	0	0	0	
NA	NA	6.3	NA	
sian/Paci	fic Islande	America	ın Indian	
Male	Female	Male	Female	
0	1	0	4	
0.0%	0.6%	0.0%	2.4%	
0.2%	0.5%	0.1%	0.4%	
0	1	0	1	
NA	NA	NA	4.0	